KLEINFELDER
An employee owned company

July 20, 2001
File No. 52-5146.01

Mr. Warren Rosebraugh, PE
Flood Control District of Maricopa County.
2801 West Durango
Phoenix, Arizona 85009

SUBJECT: Tall Pot Mitigation Site Testing
Assignment No. 1
Elliot TP Investigation

Dear Mr. Rosebraugh:

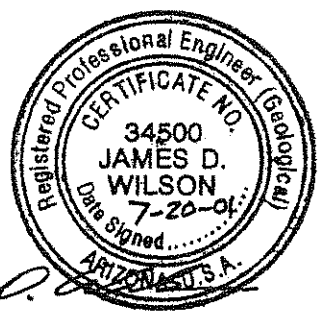
Kleinfelder, Inc. (Kleinfelder) is pleased to present this report summarizing our subsurface study performed for the Tall Pot Mitigation Site. The project site is located near the southeast corner of the East Maricopa Floodway and Chandler Heights Road in Chandler, Arizona. The results of our field study, laboratory study and recommendations are presented in the attached report.

In summary, the soils at the site are suitable for most uses from a geotechnical and chemistry perspective with respect to testing performed. The recommendations presented herein are subject to the limitations presented at the end of the report. We appreciate the opportunity to be of service on this project. If you have questions, comments or require additional information, please do not hesitate to contact our office.

Respectfully submitted,

KLEINFELDER, INC.

Charles E. Reynolds, GIT
Project Manager



James D. Wilson, PE
Senior Project Engineer

KLEINFELDER 1335 West Auto Drive, Tempe, AZ 85284 (480) 763-1200 (480) 763-1212 fax

General

In this report we present the results of our subsurface study for the Tall Pot Mitigation Site located in Chandler, Arizona. The location of the site relative to existing streets and the surrounding area is shown on Figure 1. The purpose of the study was to explore and evaluate the soil conditions at the Tall Pot Mitigation Site.

Our study included a site reconnaissance, subsurface exploration, representative soil sampling, field and laboratory testing, engineering analyses, and preparation of this report. This report presents the result of a backhoe exploration program, laboratory analysis for soil properties, agronometric properties and analysis for the presence of organochlorine pesticides. The results contained in this report are subject to the limitations presented herein. Attention is directed to the "Limitations" section of this report.

Proposed Project

We understand the Flood Control District of Maricopa County (FCDMC) owns excess land and soil stockpiles near the East Maricopa Floodway and Chandler Heights Road in Chandler Arizona. At some time in the future FCDMC may offer the site soils as a borrow source.

Should final design details vary from those stated above, this office should be notified for review and possible revisions to our recommendations.

Site Description

The site is located southeast of the East Maricopa Floodway and Chandler Heights Road in Chandler Arizona. The East Maricopa Floodway and the Roosevelt Canal bound the site to the west; Chandler Heights bounds the site to the north, Riggs Road is to the south and new rural residential development is located to the east. The approximate configuration of the site is shown on Figure 1, Location Map.

Field Exploration

The field study was performed on June 19, 2001, and consisted of excavating 8 test pits within site at locations established by FCDMC. The pits were excavated, using a Caterpillar 426 rubber-tired backhoe, to depths ranging from 3 to 10 feet below the existing ground surface. Plote Excavating Inc. was subcontracted to excavate the pits. A Kleinfelder staff engineer observed the pit excavation, classified the encountered soils, prepared boring logs, and collected soil samples for laboratory examination and testing.

Prior to the start of excavating, the Arizona Bluestake Center and a private locator service were contacted to locate any potential existing utilities at the pit locations. Upon completion of the pit excavation, the pits were backfilled with the excavated soils.

Bulk samples along with samples for environmental analysis were taken at the direction of the field engineer during pit excavation. After soils were removed from each pit, samples were removed, appropriately contained, and submitted to the laboratory for the designated testing.

Soil classifications made in the field from excavated and samples were re-evaluated in the laboratory after further examination and testing. The soils were classified in accordance with the attached Unified Soil Classification System.

Sample classifications, and other related information were recorded on the test pit logs. The logs for TP-1 through TP-8 are attached.

The locations of the pits were estimated by our engineer based on rough measurements from the limits of existing landmarks; therefore, the locations of the borings should be considered approximate.

Laboratory testing

Representative soil samples from the borings were tested in the laboratory for classification purposes and to evaluate their engineering properties. The laboratory tests included:

- Six sieve analyses
- Six Atterberg limits tests
- Eight agronometric tests
- Eight nitrogen content tests
- Eight phosphorous content tests
- Eight organochlorine pesticide tests (EPA Method 8081)

Subsurface Soil Conditions

In general, the soils generally consist of non-plastic to low plasticity, fine grained soils consisting of Sandy Clays (CL), Silty Sands (SM) and Clayey Sands (SC) along with some Sandy Silts (ML). Recommendations for their use are presented below.

Agonometric testing show that most parameters were within acceptable ranges for desert soils. Nitrogen concentrations were elevated is some samples.

Tests for the presence of pesticides showed trace amounts (0.0017 to 0.098 mg/kg) of DDT, DDE and Toxaphene. All recorded detections were below the Arizona Department of Environmental Quality (ADEQ) residential and commercial soil remediation levels.

Conclusions & Recommendations

The results of our study show that soils at the Tall Pot site, from a physical standpoint, will be suitable for most uses such as mass grading or topsoil. The gradations are such that the material will not meet requirements for most structural or trench backfill specifications. From the standpoint of soil chemistry, parameters are within acceptable ranges and will be acceptable for most uses, including topsoil. Pesticide analysis showed trace amounts of DDT, DDE and Toxaphene. All detections of DDT and DDE were below the ADEQ residential and commercial soil remediation levels of 13.0 mg/kg and 56.0 mg/kg, respectively. Detections of Toxaphene

were below residential and commercial soil remediation levels of 4.0 mg/kg and 17 mg/kg, respectively.

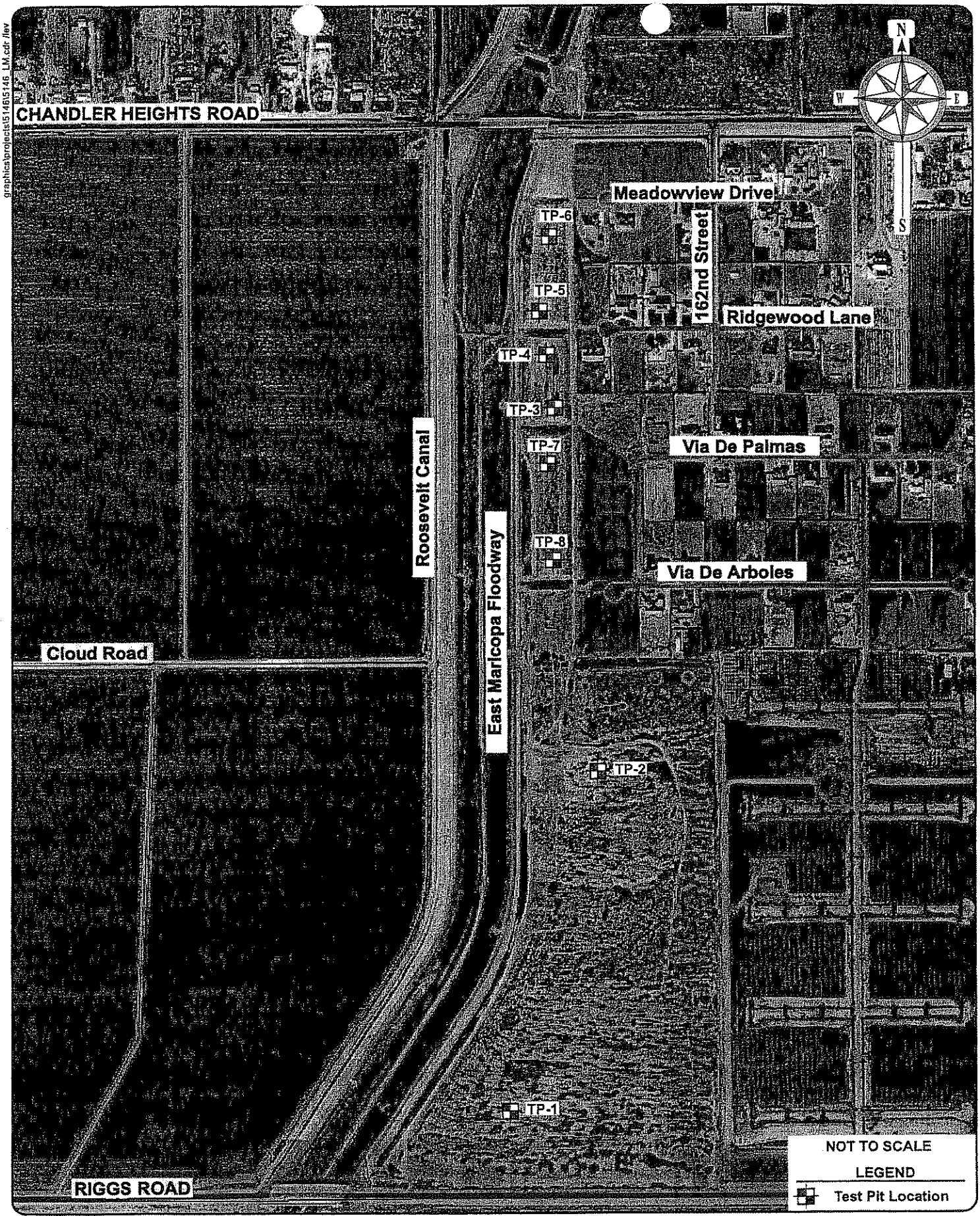
Limitations

The recommendations contained in this report are based on our field explorations, laboratory tests, and our understanding of the proposed construction. The subsurface data used in the preparation of this report were obtained from the eight test pits excavated during the field study. It is anticipated that some variations in the soil conditions will exist between the points explored. The nature and extent of variations may not be evident until excavation occurs. If any conditions are encountered at this site, which are different from those described in this report, our firm should be immediately notified so that we may make any necessary revisions to the recommendations contained in this report. In addition, if the scope of the understood use changes from that described in this report, our firm should also be notified. This report was prepared in accordance with the generally accepted standard of practice in Arizona at the time the report was written. No warranty, expressed or implied, is made. It is the Client's responsibility to see that all parties to the project including the Designer, Contractor, Subcontractors, etc. are made aware of this report in its entirety. The use of information contained in this report for bidding purposes should be done at the Contractor's option and risk.

This report may be used only by the client and only for the purposes stated, within a reasonable time from its issuance. Land use, site conditions (both on and offsite) or other factors may change over time, and additional work may be required with the passage of time. Any party other than the client who wishes to use this report shall notify Kleinfelder of such intended use. Based on the intended use of the report, Kleinfelder may require that additional work be performed and that an updated report be issued. Non-compliance with any of these requirements by the client or anyone else will release Kleinfelder from any liability resulting from the use of this report by any unauthorized party.

PLATES.

graphics\projects\5146\5146_LM.cdr /lev



KLEINFELDER

Project Number 52-5146-01 July, 2001

Tail Pot Mitigation Site Testing
Chandler, Arizona

LOCATION MAP

FIGURE
1

APPENDIX A

Boring Logs

UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS			USCS SYMBOL	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS (More than half of material is larger than the #200 sieve)	GRAVELS (More than half of coarse fraction is larger than the #4 sieve)	CLEAN GRAVELS WITH LESS THAN 5% PASSING NO. 200 SIEVE	GW	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE OR NO FINES
			GP	POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE OR NO FINES
		GRAVELS WITH OVER 12% PASSING NO. 200 SIEVE	GM	SILTY GRAVELS, GRAVEL-SILT-SAND MIXTURES
			GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
	SANDS (More than half of coarse fraction is smaller than the #4 sieve)	CLEAN SANDS WITH LESS THAN 5% PASSING NO. 200 SIEVE	SW	WELL-GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE OR NO FINES
			SP	POORLY-GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE OR NO FINES
		SANDS WITH OVER 12% PASSING NO. 200 SIEVE	SM	SILTY SANDS, SAND-GRAVEL-SILT MIXTURES
			SC	CLAYEY SANDS, SAND-GRAVEL-CLAY MIXTURES
FINE GRAINED SOILS (More than half of material is smaller than the #200 sieve)	SILTS AND CLAYS (Liquid limit less than 50)		ML	INORGANIC SILTS & VERY FINE SANDS, SILTY OR CLAYEY FINE SANDS, CLAYEY SILTS WITH SLIGHT PLASTICITY
			CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
			OL	ORGANIC SILTS & ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS (Liquid limit greater than 50)		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILT
			CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
			OH	ORGANIC CLAYS & ORGANIC SILTS OF MEDIUM-TO-HIGH PLASTICITY

Note: Fine grained soils that plot within the hatched area on the Plasticity Chart, and coarse grained soils with between 5% and 12% passing No. 200 sieve require dual USCS symbols. (See KEY A-3 if provided)

KLEINFELDER

Drafted By: jm
Date: July, 2001

Project Number: 52-5146-01

UNIFIED SOIL CLASSIFICATION SYSTEM
Tall Pot Mitigation
Maricopa County Flood District
Excess Land
Chandler, Arizona

KEY
A-1

GEO-KEY_A1_SOIL 514601.GPJ cnewman@kleinfelder.com 07/23/2001

Northing and Easting: _____ Elevation (ft): _____

Groundwater (ft): No Free Groundwater Encountered

Excavation Co. : Plote Backhoe Equipment: CAT-436 4x4

Excavation Method: BACKHOE Bucket Size (ft): 1.5

Date Started: 6/19/2001

Date Completed: 6/19/2001

Logged By: Ryan McDonald

Total Depth (ft): 3.0

	FIELD			LABORATORY								
	Sample Interval	Sample Type	Dry Density (lbs/ft^3)	Moisture Content (%)	Liquid Limit	Plasticity Index	Passing #4 Sieve (%)	Passing #200 Sieve (%)	Other Tests	Graphical Log	USCS Classification	DESCRIPTION 0.0 to 3.0 feet
0		BULK							Pesticides		CL	**Sandy Clay** - Predominantly fine sand, trace fine gravel, red-brown to brown, dry, low plasticity.
												Test Pit terminated at 3.0 feet Sampling stopped at 3.0 feet
5												
10												
15												
20												
25												
30												
35												

KLEINFELDER

Drafted By: jm

Date: July, 2001

Project Number: 52-5146-01

LOG OF TEST PIT TP-1
Tall Pot Mitigation
Maricopa County Flood District
Excess Land
Chandler, Arizona

TEST PIT

TP-1

Northing and Easting: _____ Elevation (ft): _____

Groundwater (ft): No Free Groundwater Encountered

Excavation Co. : Plote Backhoe Equipment: CAT-436 4x4

Excavation Method: BACKHOE Bucket Size (ft): 1.5

L Started: 6/19/2001

Date Completed: 6/19/2001

Logged By: Ryan McDonald

Total Depth (ft): 8.0

	FIELD			LABORATORY								
	Sample Interval	Sample Type	Dry Density (lbs/ft^3)	Moisture Content (%)	Liquid Limit	Plasticity Index	Passing #4 Sieve (%)	Passing #200 Sieve (%)	Other Tests	Graphical Log	USCS Classification	DESCRIPTION 0.0 to 8.0 feet
0		BULK BULK							Agronomy Nitrogen Phosphorous Pesticides		CL	**Sandy Clay** - Predominantly fine sand, red-brown to brown, dry, low plasticity.
5												
10												Test Pit terminated at 8.0 feet Sampling stopped at 8.0 feet
15												
20												
25												
30												
35												

KLEINFELDER

Drafted By: jm

Date: July, 2001

Project Number: 52-5146-01

LOG OF TEST PIT TP-2
Tall Pot Mitigation
Maricopa County Flood District
Excess Land
Chandler, Arizona

TEST PIT

TP-2

GEO_ADOT_TEST-PIT_E 514601.GPJ cnewman@kleinfelder.com 07/19/2001

Northing and Easting: _____ Elevation (ft): _____

Groundwater (ft): No Free Groundwater Encountered

Excavation Co. : Plote Backhoe Equipment: CAT-436 4x4

Excavation Method: BACKHOE Bucket Size (ft): 1.5

Date Started: 6/19/2001

Date Completed: 6/19/2001

Logged By: Ryan McDonald

Total Depth (ft): 8.0

	FIELD			LABORATORY								
	Sample Interval	Sample Type	Dry Density (lbs/ft³)	Moisture Content (%)	Liquid Limit	Plasticity Index	Passing #4 Sieve (%)	Passing #200 Sieve (%)	Other Tests	Graphical Log	USCS Classification	DESCRIPTION 0.0 to 8.0 feet
		BULK							Pesticides		CL	**Sandy Clay** - Predominantly fine sand, trace fine gravel, red-brown to brown, dry, low plasticity.
5		BULK			NP	NP	100	29	Agronomy Nitrogen Phosphorous Pesticides		SM	**Silty Sand** - Predominantly fine sand, trace fine gravel, brown, slightly moist, non-plastic.
10												Test Pit terminated at 8.0 feet Sampling stopped at 8.0 feet
15												
20												
25												
30												
35												

KLEINFELDER

Drafted By: jm

Date: July, 2001

Project Number: 52-5146-01

LOG OF TEST PIT TP-3
Tall Pot Mitigation
Maricopa County Flood District
Soil Piles
Chandler, Arizona

TEST PIT

TP-3

GEO_ADOT_TEST-PIT_E 514601.GPJ cnewman@Kleinfelder.com 07/19/2001

Northing and Easting: _____ Elevation (ft): _____

Groundwater (ft): No Free Groundwater Encountered

Excavation Co. : Piote Backhoe Equipment: CAT-436 4x4

Excavation Method: BACKHOE Bucket Size (ft): 1.5

Date Started: 6/19/2001

Date Completed: 6/19/2001

Logged By: Ryan McDonald

Total Depth (ft): 8.0

	FIELD			LABORATORY								
	Sample Interval	Sample Type	Dry Density (lbs/ft^3)	Moisture Content (%)	Liquid Limit	Plasticity Index	Passing #4 Sieve (%)	Passing #200 Sieve (%)	Other Tests	Graphical Log	USCS Classification	DESCRIPTION 0.0 to 8.0 feet
0		BULK			24	6	99	51	Agronomy Nitrogen Phosphorous Pesticides		CL-ML	**Silty Clay to Clayey Silt** - Predominantly fine sand, trace of fine gravel, red-brown to brown, dry, low plasticity.
5		BULK									SM	**Silty Sand** - Predominantly fine sand, trace fine gravel, brown, slightly moist, non-plastic.
												Test Pit terminated at 8.0 feet Sampling stopped at 8.0 feet
10												
15												
20												
25												
30												
35												

KLEINFELDER

LOG OF TEST PIT TP-4
Tall Pot Mitigation
Maricopa County Flood District
Soil Piles
Chandler, Arizona

TEST PIT

TP-4

Page 1 of 1

Drafted By: jm

Date: July, 2001

Project Number: 52-5146-01

GEO_ADOT_TEST-PIT_E 514601.GPJ cnewman@kleinfelder.com 07/19/2001

Northing and Easting: _____ Elevation (ft): _____

Groundwater (ft): No Free Groundwater Encountered

Excavation Co. : Plote Backhoe Equipment: CAT-436 4x4

Excavation Method: BACKHOE Bucket Size (ft): 1.5

D. Started: 6/19/2001

Date Completed: 6/19/2001

Logged By: Ryan McDonald

Total Depth (ft): 9.0

	FIELD			LABORATORY								DESCRIPTION
	Sample interval	Sample Type	Dry Density (lbs/ft³)	Moisture Content (%)	Liquid Limit	Plasticity Index	Passing #4 Sieve (%)	Passing #200 Sieve (%)	Other Tests	Graphical Log	USCS Classification	0.0 to 9.0 feet
0		BULK							Pesticides		SM	**Silty Sand** - Predominantly fine sand, trace fine gravel, red-brown to brown, dry, non-plastic.
5		BULK			NP	NP	99	52	Agronomy Nitrogen Phosphorous Pesticides		ML	**Sandy Silt** - Predominantly fine sand, trace fine gravel, brown, slightly moist, non-plastic.
10												Test Pit terminated at 9.0 feet Sampling stopped at 9.0 feet
15												
20												
25												
30												
35												

GEO_ADOT_TEST-PIT_E 514601.GPJ cnewman@kleinfelder.com 07/19/2001

KLEINFELDER

Drafted By: jm

Date: July, 2001

Project Number: 52-5146-01

LOG OF TEST PIT TP-5
Tall Pot Mitigation
Maricopa County Flood District
Soil Piles
Chandler, Arizona

TEST PIT

TP-5

Northing and Easting: _____ Elevation (ft): _____

Groundwater (ft): No Free Groundwater Encountered

Excavation Co. : Plote Backhoe Equipment: CAT-436 4x4

Excavation Method: BACKHOE Bucket Size (ft): 1.5

Date Started: 6/19/2001

Date Completed: 6/19/2001

Logged By: Ryan McDonald

Total Depth (ft): 9.0

	FIELD			LABORATORY								
	Sample Interval	Sample Type	Dry Density (lbs/ft³)	Moisture Content (%)	Liquid Limit	Plasticity Index	Passing #4 Sieve (%)	Passing #200 Sieve (%)	Other Tests	Graphical Log	USCS Classification	DESCRIPTION 0.0 to 9.0 feet
0		BULK			NP	NP	98	45	Agronomy Nitrogen Phosphorous Pesticides		SM	**Sandy Silt** - Predominantly fine sand, trace fine gravel, red-brown to brown, dry, non-plastic.
5		BULK										
10												Test Pit terminated at 9.0 feet Sampling stopped at 9.0 feet
15												
20												
25												
30												
35												

KLEINFELDER

LOG OF TEST PIT TP-6
Tall Pot Mitigation
Maricopa County Flood District
Soil Piles
Chandler, Arizona

TEST PIT

TP-6

Page 1 of 1

Drafted By: jm

Date: July, 2001

Project Number: 52-5146-01

GEO_ADOT_TEST-PIT_E 514601.GPJ cnewman@kleinfelder.com 07/19/2001

Northing and Easting: _____ Elevation (ft): _____

Groundwater (ft): No Free Groundwater Encountered

Excavation Co. : Plote Backhoe Equipment: CAT-436 4x4

Excavation Method: BACKHOE Bucket Size (ft): 1.5

Da.. started: 6/19/2001

Date Completed: 6/19/2001

Logged By: Ryan McDonald

Total Depth (ft): 10.0

	FIELD			LABORATORY								
	Sample Interval	Sample Type	Dry Density (lbs/ft^3)	Moisture Content (%)	Liquid Limit	Plasticity Index	Passing #4 Sieve (%)	Passing #200 Sieve (%)	Other Tests	Graphical Log	USCS Classification	DESCRIPTION 0.0 to 10.0 feet
0		BULK			23	5	91	43	Agronomy Nitrogen Phosphorous Pesticides		SC-SM	**Clayey to Silty Sand** - Predominantly fine to medium sand, trace fine gravel, red-brown to brown, dry, low plasticity.
5		BULK										
10												Test Pit terminated at 10.0 feet Sampling stopped at 10.0 feet
15												
20												
25												
30												
35												

GEO_ADOT_TEST-PIT_E 514601.GPJ cnewman@kleinfelder.com 07/19/2001

KLEINFELDER

Drafted By: jm

Date: July, 2001

Project Number: 52-5146-01

LOG OF TEST PIT TP-7
Tall Pot Mitigation
Maricopa County Flood District
Soil Piles
Chandler, Arizona

TEST PIT

TP-7

Page 1 of 1

Northing and Easting: _____ Elevation (ft): _____

Groundwater (ft): No Free Groundwater Encountered

Excavation Co. : Plote Backhoe Equipment: CAT-436 4x4

Excavation Method: BACKHOE Bucket Size (ft): 1.5

D. Started: 6/19/2001

Date Completed: 6/19/2001

Logged By: Ryan McDonald

Total Depth (ft): 10.0

	FIELD			LABORATORY								DESCRIPTION
	Sample Interval	Sample Type	Dry Density (lbs/ft³)	Moisture Content (%)	Liquid Limit	Plasticity Index	Passing #4 Sieve (%)	Passing #200 Sieve (%)	Other Tests	Graphical Log	USCS Classification	0.0 to 10.0 feet
		BULK							Pesticides		CL	**Sandy Clay** - Predominantly fine sand, trace fine gravel, red-brown to brown, dry, low plasticity.
		BULK			NP	NP	99	39	Agronomy Nitrogen Phosphorous Pesticides		SM	**Silty Sand** - Predominantly fine to medium sand, trace fine gravel, brown, slightly moist, non-plastic.
5												
10												Test Pit terminated at 10.0 feet Sampling stopped at 10.0 feet
15												
20												
25												
30												
35												

GEO_ADOT_TEST-PIT_E 514601.GPJ cnewman@kleinfelder.com 07/19/2001

KLEINFELDER

LOG OF TEST PIT TP-8
Tall Pot Mitigation
Maricopa County Flood District
Soil Piles
Chandler, Arizona

TEST PIT

TP-8

Page 1 of 1

Drafted By: jm

Date: July, 2001

Project Number: 52-5146-01

APPENDIX B

Laboratory Reults

KLEINFELDER

PROJECT: TALL POTS
LOCATION:
REVIEWED BY: M. CONNOLLY

PROJECT NO: 52-5146-01
WORK ORDER NO: 01192
DATE SAMPLED: 06/19/01

MECHANICAL SIEVE ANALYSIS
GROUP SYMBOL, USCS (ASTM D-2487)

SIEVE SIZES

					COBBLES		GRAVEL								SAND								Silt or Clay	
							Coarse				Fine				Coarse		Medium			Fine				
Location & Depth	USCS	LL	PL	PI	6"	4"	3"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	1/4"	#4	#8	#10	#16	#30	#40	#50	#100	#200	Lab #

PERCENT PASSING BY WEIGHT

TP3 @ 2' - 8'	SM	NV	NP	NP	100	100	100	100	100	100	100	100	100	100	100	99	99	98	97	96	93	64	29	5
TP-4 @ 0' - 4'	CL-ML	24	18	6	100	100	100	100	100	100	100	100	100	100	99	98	98	96	92	89	83	67	51	6
TP-5 @ 4' - 9'	ML	NV	NP	NP	100	100	100	100	100	100	100	100	100	99	99	97	97	95	92	89	85	70	52	9
TP6 @ 0' - 4'	SM	NV	NP	NP	100	100	100	100	100	100	100	100	100	99	98	96	96	94	89	86	80	62	45	10
TP-7 @ 0' - 3'	SC-SM	23	18	5	100	100	100	100	100	100	100	99	99	98	97	95	94	91	84	78	71	58	43	12
TP-8 @ 2' - 8'	SM	NV	NP	NP	100	100	100	100	100	100	100	100	100	99	99	97	97	95	92	89	84	60	39	15

KLEINFELDER

PROJECT:	TALL POTS			JOB NO:	52-5146-01
LOCATION:				WORK ORDER NO:	01005
MATERIAL:	SOIL SAMPLE			LAB NO:	1
SAMPLE SOURCE:	TP1	DEPTH:	0' - 3'	TESTED BY:	IAS LABS.

ANALYSES RESULTS

ANALYSIS	RESULTS	UNITS
pH	8.8	N/A
SOLUBLE SALTS	510.0	ppm
CALCIUM CARBONATES	2.8	%
EXCHANGEABLE SODIUM	2.2	%
EXCHANGEABLE SODIUM	99	ppm
NITRATE NITROGEN	9.3	ppm
PHOSPHATE PHOSPHORUS	4.1	ppm

KLEINFELDER

PROJECT:	TALL POTS			JOB NO:	52-5146-01
LOCATION:				WORK ORDER NO:	01005
MATERIAL:	SOIL SAMPLE			LAB NO:	3
SAMPLE SOURCE:	TP2	DEPTH:	0.5' - 3'	TESTED BY:	IAS LABS.

ANALYSES RESULTS

ANALYSIS	RESULTS	UNITS
pH	8.3	N/A
SOLUBLE SALTS	1660	ppm
CALCIUM CARBONATES	4.1	%
EXCHANGEABLE SODIUM	3.3	%
EXCHANGEABLE SODIUM	210	ppm
NITRATE NITROGEN	37.0	ppm
PHOSPHATE PHOSPHORUS	5.9	ppm

KLEINFELDER

PROJECT:	TALL POTS			JOB NO:	52-5146-01
LOCATION:				WORK ORDER NO:	01005
MATERIAL:	SM			LAB NO:	5
SAMPLE SOURCE:	TP3	DEPTH:	2' - 8'	TESTED BY:	IAS LABS.

ANALYSES RESULTS

ANALYSIS	RESULTS	UNITS
pH	8.6	N/A
SOLUBLE SALTS	320.0	ppm
CALCIUM CARBONATES	1.3	%
EXCHANGEABLE SODIUM	2.0	%
EXCHANGEABLE SODIUM	45	ppm
NITRATE NITROGEN	9.0	ppm
PHOSPHATE PHOSPHORUS	4.6	ppm

KLEINFELDER

PROJECT:	TALL POTS			JOB NO:	52-5146-01
LOCATION:				WORK ORDER NO:	01005
MATERIAL:	CL-ML			LAB NO:	6
SAMPLE SOURCE:	TP4	DEPTH:	0' - 4'	TESTED BY:	IAS LABS.

ANALYSES RESULTS

ANALYSIS	RESULTS	UNITS
pH	8.3	N/A
SOLUBLE SALTS	1150	ppm
CALCIUM CARBONATES	3.5	%
EXCHANGEABLE SODIUM	1.9	%
EXCHANGEABLE SODIUM	130	ppm
NITRATE NITROGEN	34.0	ppm
PHOSPHATE PHOSPHORUS	8.3	ppm

KLEINFELDER

PROJECT:	TALL POTS			JOB NO:	52-5146-01
LOCATION:				WORK ORDER NO:	01005
MATERIAL:	ML			LAB NO:	9
SAMPLE SOURCE:	TP5	DEPTH:	4' - 9'	TESTED BY:	IAS LABS.

ANALYSES RESULTS

ANALYSIS	RESULTS	UNITS
pH	8.3	N/A
SOLUBLE SALTS	830.0	ppm
CALCIUM CARBONATES	2.5	%
EXCHANGEABLE SODIUM	1.8	%
EXCHANGEABLE SODIUM	100	ppm
NITRATE NITROGEN	46.0	ppm
PHOSPHATE PHOSPHORUS	7.2	ppm

KLEINFELDER

PROJECT:	TALL POTS			JOB NO:	52-5146-01
LOCATION:				WORK ORDER NO:	01005
MATERIAL:	SM			LAB NO:	10
SAMPLE SOURCE:	TP6	DEPTH:	0' - 4'	TESTED BY:	IAS LABS.

ANALYSES RESULTS

ANALYSIS	RESULTS	UNITS
pH	8.3	N/A
SOLUBLE SALTS	1400	ppm
CALCIUM CARBONATES	5.8	%
EXCHANGEABLE SODIUM	1.7	%
EXCHANGEABLE SODIUM	110	ppm
NITRATE NITROGEN	510.0	ppm
PHOSPHATE PHOSPHORUS	67	ppm

KLEINFELDER

PROJECT:	TALL POTS			JOB NO:	52-5146-01
LOCATION:				WORK ORDER NO:	01005
MATERIAL:	SC-SM			LAB NO:	12
SAMPLE SOURCE:	TP7	DEPTH:	0' - 3'	TESTED BY:	IAS LABS.

ANALYSES RESULTS

ANALYSIS	RESULTS	UNITS
pH	8.3	N/A
SOLUBLE SALTS	1280.0	ppm
CALCIUM CARBONATES	4.1	%
EXCHANGEABLE SODIUM	1.3	%
EXCHANGEABLE SODIUM	91	ppm
NITRATE NITROGEN	28.0	ppm
PHOSPHATE PHOSPHORUS	5.7	ppm

KLEINFELDER

PROJECT:	TALL POTS			JOB NO:	52-5146-01
LOCATION:				WORK ORDER NO:	01005
MATERIAL:	SM			LAB NO:	15
SAMPLE SOURCE:	TP8	DEPTH:	2' - 8'	TESTED BY:	IAS LABS.

ANALYSES RESULTS

ANALYSIS	RESULTS	UNITS
pH	8.3	N/A
SOLUBLE SALTS	1020	ppm
CALCIUM CARBONATES	2.8	%
EXCHANGEABLE SODIUM	2.3	%
EXCHANGEABLE SODIUM	100	ppm
NITRATE NITROGEN	56.0	ppm
PHOSPHATE PHOSPHORUS	6.8	ppm

1335 WEST AUTO DRIVE, TEMPE, ARIZONA PHONE: (480) 763-1200 FAX: (480) 763-1212
ISSUED: 07/18/01

Date: *15-Jul-01*

CLIENT:	Transwest Geochem, Inc.	**Client Sample**	TP-1@0-3'
Lab Order:	0107372	**Tag Number:**	01A
Project:	Tall Pots Mitigation52-5146/0106164	**Collection**	6/19/2001 7:40:00 AM
Lab ID:	0107372-01A	**Matrix:**	EXTRACT

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		**SW8081A**				Analyst: **DCS**
alpha-BHC	< 0.00083	0.00083		mg/Kg	1	7/13/2001
gamma-BHC	< 0.00083	0.00083		mg/Kg	1	7/13/2001
beta-BHC	< 0.00083	0.00083		mg/Kg	1	7/13/2001
Heptachlor	< 0.00083	0.00083		mg/Kg	1	7/13/2001
delta-BHC	< 0.00083	0.00083		mg/Kg	1	7/13/2001
Aldrin	< 0.00083	0.00083		mg/Kg	1	7/13/2001
Heptachlor epoxide	< 0.00083	0.00083		mg/Kg	1	7/13/2001
Endosulfan I	< 0.00083	0.00083		mg/Kg	1	7/13/2001
4,4'-DDE	0.0054	0.00083		mg/Kg	1	7/13/2001
Dieldrin	< 0.00083	0.00083		mg/Kg	1	7/13/2001
Endrin	< 0.00083	0.00083		mg/Kg	1	7/13/2001
4,4'-DDD	< 0.00083	0.00083		mg/Kg	1	7/13/2001
Endosulfan II	< 0.00083	0.00083		mg/Kg	1	7/13/2001
4,4'-DDT	< 0.00083	0.00083		mg/Kg	1	7/13/2001
Endrin aldehyde	< 0.00083	0.00083		mg/Kg	1	7/13/2001
Endosulfan sulfate	< 0.00083	0.00083		mg/Kg	1	7/13/2001
Methoxychlor	< 0.0017	0.0017		mg/Kg	1	7/13/2001
Chlordane	< 0.0083	0.0083		mg/Kg	1	7/13/2001
Toxaphene	< 0.017	0.017		mg/Kg	1	7/13/2001
Surr: Decachlorobiphenyl	95.2	0-0		%REC	1	7/13/2001
Surr: Tetrachloro-m-xylene	84.8	0-0		%REC	1	7/13/2001

Qualifiers:

ND - Not Detected at the Reporting Limit
S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limit
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

Date: *15-Jul-01*

CLIENT:	Transwest Geochem, Inc.	**Client Sample**	TP-2@0-3'
Lab Order:	0107372	**Tag Number:**	02A
Project:	Tall Pots Mitigation52-5146/0106164	**Collection**	6/19/2001 8:30:00 AM
Lab ID:	0107372-02A	**Matrix:**	EXTRACT

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		**SW8081A**				Analyst: **DCS**
alpha-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
gamma-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
beta-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Heptachlor	< 0.00083	0.00083		mg/Kg	1	7/14/2001
delta-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Aldrin	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Heptachlor epoxide	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endosulfan I	< 0.00083	0.00083		mg/Kg	1	7/14/2001
4,4'-DDE	0.045	0.00083		mg/Kg	1	7/14/2001
Dieldrin	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endrin	< 0.00083	0.00083		mg/Kg	1	7/14/2001
4,4'-DDD	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endosulfan II	< 0.00083	0.00083		mg/Kg	1	7/14/2001
4,4'-DDT	0.0039	0.00083		mg/Kg	1	7/14/2001
Endrin aldehyde	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endosulfan sulfate	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Methoxychlor	< 0.0017	0.0017		mg/Kg	1	7/14/2001
Chlordane	< 0.0083	0.0083		mg/Kg	1	7/14/2001
Toxaphene	0.062	0.017	R3	mg/Kg	1	7/14/2001
Surr: Decachlorobiphenyl	85.9	0-0		%REC	1	7/14/2001
Surr: Tetrachloro-m-xylene	83.7	0-0		%REC	1	7/14/2001

Qualifiers:

ND - Not Detected at the Reporting Limit
S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limit
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

Date: *15-Jul-01*

CLIENT:	Transwest Geochem, Inc.	**Client Sample**	TP-3@0-8'
Lab Order:	0107372	**Tag Number:**	03A
Project:	Tall Pots Mitigation52-5146/0106164	**Collection**	6/19/2001 9:40:00 AM
Lab ID:	0107372-03A	**Matrix:**	EXTRACT

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		**SW8081A**				Analyst: **DCS**
alpha-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
gamma-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
beta-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Heptachlor	< 0.00083	0.00083		mg/Kg	1	7/14/2001
delta-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Aldrin	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Heptachlor epoxide	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endosulfan I	< 0.00083	0.00083		mg/Kg	1	7/14/2001
4,4'-DDE	0.0027	0.00083		mg/Kg	1	7/14/2001
Dieldrin	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endrin	< 0.00083	0.00083		mg/Kg	1	7/14/2001
4,4'-DDD	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endosulfan II	< 0.00083	0.00083		mg/Kg	1	7/14/2001
4,4'-DDT	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endrin aldehyde	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endosulfan sulfate	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Methoxychlor	< 0.0017	0.0017		mg/Kg	1	7/14/2001
Chlordane	< 0.0083	0.0083		mg/Kg	1	7/14/2001
Toxaphene	< 0.017	0.017		mg/Kg	1	7/14/2001
Surr: Decachlorobiphenyl	92.1	0-0		%REC	1	7/14/2001
Surr: Tetrachloro-m-xylene	83.2	0-0		%REC	1	7/14/2001

Qualifiers:

ND - Not Detected at the Reporting Limit
S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limit
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

Date: *15-Jul-01*

CLIENT:	Transwest Geochem, Inc.	**Client Sample**	TP-4@0-8'
Lab Order:	0107372	**Tag Number:**	04A
Project:	Tall Pots Mitigation52-5146/0106164	**Collection**	6/19/2001 10:25:00 AM
Lab ID:	0107372-04A	**Matrix:**	EXTRACT

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		**SW8081A**				Analyst: DCS
alpha-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
gamma-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
beta-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Heptachlor	< 0.00083	0.00083		mg/Kg	1	7/14/2001
delta-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Aldrin	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Heptachlor epoxide	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endosulfan I	< 0.00083	0.00083		mg/Kg	1	7/14/2001
4,4'-DDE	0.019	0.00083		mg/Kg	1	7/14/2001
Dieldrin	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endrin	< 0.00083	0.00083		mg/Kg	1	7/14/2001
4,4'-DDD	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endosulfan II	< 0.00083	0.00083		mg/Kg	1	7/14/2001
4,4'-DDT	0.0011	0.00083		mg/Kg	1	7/14/2001
Endrin aldehyde	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endosulfan sulfate	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Methoxychlor	< 0.0017	0.0017		mg/Kg	1	7/14/2001
Chlordane	< 0.0083	0.0083		mg/Kg	1	7/14/2001
Toxaphene	0.033	0.017		mg/Kg	1	7/14/2001
Surr: Decachlorobiphenyl	83.6	0-0		%REC	1	7/14/2001
Surr: Tetrachloro-m-xylene	80.4	0-0		%REC	1	7/14/2001

Qualifiers:

ND - Not Detected at the Reporting Limit
S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limit
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

Date: *15-Jul-01*

CLIENT:	Transwest Geochem, Inc.	**Client Sample**	TP-5@0-8'
Lab Order:	0107372	**Tag Number:**	05A
Project:	Tall Pots Mitigation52-5146/0106164	**Collection**	6/19/2001 10:55:00 AM
Lab ID:	0107372-05A	**Matrix:**	EXTRACT

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		**SW8081A**				Analyst: **DCS**
alpha-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
gamma-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
beta-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Heptachlor	< 0.00083	0.00083		mg/Kg	1	7/14/2001
delta-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Aldrin	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Heptachlor epoxide	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endosulfan I	< 0.00083	0.00083		mg/Kg	1	7/14/2001
4,4'-DDE	0.053	0.00083		mg/Kg	1	7/14/2001
Dieldrin	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endrin	< 0.00083	0.00083		mg/Kg	1	7/14/2001
4,4'-DDD	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endosulfan II	< 0.00083	0.00083		mg/Kg	1	7/14/2001
4,4'-DDT	0.0032	0.00083		mg/Kg	1	7/14/2001
Endrin aldehyde	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endosulfan sulfate	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Methoxychlor	< 0.0017	0.0017		mg/Kg	1	7/14/2001
Chlordane	< 0.0083	0.0083		mg/Kg	1	7/14/2001
Toxaphene	0.098	0.017	R3	mg/Kg	1	7/14/2001
Surr: Decachlorobiphenyl	83.3	0-0		%REC	1	7/14/2001
Surr: Tetrachloro-m-xylene	79.7	0-0		%REC	1	7/14/2001

Qualifiers:

ND - Not Detected at the Reporting Limit
S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limit
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

Date: *15-Jul-01*

CLIENT:	Transwest Geochem, Inc.	**Client Sample**	TP-6@0-8'
Lab Order:	0107372	**Tag Number:**	06A
Project:	Tall Pots Mitigation52-5146/0106164	**Collection**	6/19/2001 11:35:00 AM
Lab ID:	0107372-06A	**Matrix:**	EXTRACT

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		**SW8081A**				Analyst: **DCS**
alpha-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
gamma-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
beta-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Heptachlor	< 0.00083	0.00083		mg/Kg	1	7/14/2001
delta-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Aldrin	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Heptachlor epoxide	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endosulfan I	< 0.00083	0.00083		mg/Kg	1	7/14/2001
4,4'-DDE	0.065	0.00083		mg/Kg	1	7/14/2001
Dieldrin	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endrin	< 0.00083	0.00083		mg/Kg	1	7/14/2001
4,4'-DDD	0.00089	0.00083		mg/Kg	1	7/14/2001
Endosulfan II	< 0.00083	0.00083		mg/Kg	1	7/14/2001
4,4'-DDT	0.0035	0.00083		mg/Kg	1	7/14/2001
Endrin aldehyde	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endosulfan sulfate	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Methoxychlor	< 0.0017	0.0017		mg/Kg	1	7/14/2001
Chlordane	< 0.0083	0.0083		mg/Kg	1	7/14/2001
Toxaphene	0.058	0.017		mg/Kg	1	7/14/2001
Surr: Decachlorobiphenyl	87.7	0-0		%REC	1	7/14/2001
Surr: Tetrachloro-m-xylene	85.8	0-0		%REC	1	7/14/2001

Qualifiers:

ND - Not Detected at the Reporting Limit
S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limit
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

Date: *15-Jul-01*

CLIENT:	Transwest Geochem, Inc.	**Client Sample**	TP-7@0-8'
Lab Order:	0107372	**Tag Number:**	07A
Project:	Tall Pots Mitigation52-5146/0106164	**Collection**	6/19/2001 12:00:00 PM
Lab ID:	0107372-07A	**Matrix:**	EXTRACT

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		**SW8081A**				Analyst: **DCS**
alpha-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
gamma-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
beta-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Heptachlor	< 0.00083	0.00083		mg/Kg	1	7/14/2001
delta-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Aldrin	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Heptachlor epoxide	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endosulfan I	< 0.00083	0.00083		mg/Kg	1	7/14/2001
4,4'-DDE	0.051	0.00083		mg/Kg	1	7/14/2001
Dieldrin	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endrin	< 0.00083	0.00083		mg/Kg	1	7/14/2001
4,4'-DDD	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endosulfan II	< 0.00083	0.00083		mg/Kg	1	7/14/2001
4,4'-DDT	0.0035	0.00083		mg/Kg	1	7/14/2001
Endrin aldehyde	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endosulfan sulfate	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Methoxychlor	< 0.0017	0.0017		mg/Kg	1	7/14/2001
Chlordane	< 0.0083	0.0083		mg/Kg	1	7/14/2001
Toxaphene	0.053	0.017		mg/Kg	1	7/14/2001
Surr: Decachlorobiphenyl	91.8	0-0		%REC	1	7/14/2001
Surr: Tetrachloro-m-xylene	86.0	0-0		%REC	1	7/14/2001

Qualifiers:

ND - Not Detected at the Reporting Limit
S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limit
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

Date: *15-Jul-01*

CLIENT:	Transwest Geochem, Inc.	**Client Sample**	TP-8@0-10'
Lab Order:	0107372	**Tag Number:**	08A
Project:	Tall Pots Mitigation52-5146/0106164	**Collection**	6/19/2001 12:25:00 PM
Lab ID:	0107372-08A	**Matrix:**	EXTRACT

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		**SW8081A**				Analyst: **DCS**
alpha-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
gamma-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
beta-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Heptachlor	< 0.00083	0.00083		mg/Kg	1	7/14/2001
delta-BHC	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Aldrin	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Heptachlor epoxide	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endosulfan I	< 0.00083	0.00083		mg/Kg	1	7/14/2001
4,4'-DDE	0.037	0.00083		mg/Kg	1	7/14/2001
Dieldrin	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endrin	< 0.00083	0.00083		mg/Kg	1	7/14/2001
4,4'-DDD	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endosulfan II	< 0.00083	0.00083		mg/Kg	1	7/14/2001
4,4'-DDT	0.0036	0.00083		mg/Kg	1	7/14/2001
Endrin aldehyde	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Endosulfan sulfate	< 0.00083	0.00083		mg/Kg	1	7/14/2001
Methoxychlor	< 0.0017	0.0017		mg/Kg	1	7/14/2001
Chlordane	< 0.0083	0.0083		mg/Kg	1	7/14/2001
Toxaphene	0.055	0.017		mg/Kg	1	7/14/2001
Surr: Decachlorobiphenyl	92.8	0-0		%REC	1	7/14/2001
Surr: Tetrachloro-m-xylene	88.8	0-0		%REC	1	7/14/2001

Qualifiers:

ND - Not Detected at the Reporting Limit
S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limit
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level